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RAW SEQUENCE LISTING DATE: 03/29/2002
PATENT APPLICATION: **US/09/828,270** TIME: 13:54:52

Input Set : **A:\-58-1.app**
Output Set: **N:\CRF3\03292002\I828270.raw**

```
 3 <110> APPLICANT: Powers, Jay P.
 4       Jaen, Juan C.
 5       Piper, Derek E.
 6       Walker, Nigel P.C.
 7       Li, Yang
 8       Tularik Inc.
10 <120> TITLE OF INVENTION: NS5B HCV Polymerase Inhibitors
12 <130> FILE REFERENCE: 018781-005810US
14 <140> CURRENT APPLICATION NUMBER: US 09/828,270
15 <141> CURRENT FILING DATE: 2001-04-05
17 <150> PRIOR APPLICATION NUMBER: US 60/194,912
18 <151> PRIOR FILING DATE: 2000-04-05
20 <160> NUMBER OF SEQ ID NOS: 1
22 <170> SOFTWARE: PatentIn Ver. 2.1
24 <210> SEQ ID NO: 1
25 <211> LENGTH: 591
26 <212> TYPE: PRT
27 <213> ORGANISM: Hepatitis C virus
29 <220> FEATURE:
30 <223> OTHER INFORMATION: HCV NS5B RNA-dependent RNA polymerase (RdRp)
31       (EC 2.7.7.48)
33 <400> SEQUENCE: 1
34 Ser Met Ser Tyr Thr Trp Thr Gly Ala Leu Ile Thr Pro Cys Ala Ala
35   1               5                  10                  15
36 Glu Glu Ser Lys Leu Pro Ile Asn Pro Leu Ser Asn Ser Leu Leu Arg
37              20                  25                  30
38 His His Ser Met Val Tyr Ser Thr Thr Ser Arg Ser Ala Ser Leu Arg
39          35                  40                  45
40 Gln Lys Lys Val Thr Phe Asp Arg Leu Gln Val Leu Asp Asp His Tyr
41      50                  55                  60
42 Arg Asp Val Leu Lys Glu Met Lys Ala Lys Ala Ser Thr Val Lys Ala
43  65                  70                  75                  80
44 Arg Leu Leu Ser Ile Glu Glu Ala Cys Lys Leu Thr Pro Pro His Ser
45                  85                  90                  95
46 Ala Lys Ser Lys Phe Gly Tyr Gly Ala Lys Asp Val Arg Ser Leu Ser
47              100                 105                 110
48 Ser Arg Ala Val Asn His Ile Arg Ser Val Trp Glu Asp Leu Leu Glu
49          115                 120                 125
50 Asp Thr Glu Thr Pro Ile Asp Thr Thr Ile Met Ala Lys Asn Glu Val
51      130                 135                 140
52 Phe Cys Val Gln Pro Glu Lys Gly Gly Arg Lys Pro Ala Arg Leu Ile
53 145                 150                 155                 160
54 Val Phe Pro Asp Leu Gly Val Arg Val Cys Glu Lys Met Ala Leu Tyr
```

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                   165                 170                 175
Asp Val Val Ser Thr Leu Pro Gln Ala Val Met Gly Pro Ser Tyr Gly
             180                 185                 190
Phe Gln Tyr Ser Pro Gly Gln Arg Val Glu Phe Leu Val Asn Thr Trp
         195                 200                 205
Lys Ser Lys Lys Cys Pro Met Gly Phe Ser Tyr Asp Thr Arg Cys Phe
     210                 215                 220
Asp Ser Thr Val Thr Glu Asn Asp Ile Arg Thr Glu Glu Ser Ile Tyr
 225                 230                 235                 240
Gln Cys Cys Asp Leu Ala Pro Glu Ala Arg Gln Ala Ile Arg Ser Leu
                 245                 250                 255
Thr Glu Arg Leu Tyr Val Gly Gly Pro Leu Thr Asn Ser Lys Gly Gln
             260                 265                 270
Asn Cys Gly Tyr Arg Arg Cys Arg Ala Ser Gly Val Leu Thr Thr Ser
         275                 280                 285
Cys Gly Asn Thr Leu Thr Cys Tyr Leu Lys Ala Thr Ala Ala Cys Arg
     290                 295                 300
Ala Ala Lys Leu Gln Asp Cys Thr Met Leu Val Asn Gly Asp Asp Leu
 305                 310                 315                 320
Val Val Ile Cys Glu Ser Ala Gly Thr Gln Glu Asp Ala Ala Ala Leu
                 325                 330                 335
Arg Ala Phe Thr Glu Ala Met Thr Arg Tyr Ser Ala Pro Pro Gly Asp
             340                 345                 350
Pro Pro Gln Pro Glu Tyr Asp Leu Glu Leu Ile Thr Ser Cys Ser Ser
         355                 360                 365
Asn Val Ser Val Ala His Asp Ala Ser Gly Lys Arg Val Tyr Tyr Leu
     370                 375                 380
Thr Arg Asp Pro Thr Thr Pro Leu Ala Arg Ala Ala Trp Glu Thr Val
 385                 390                 395                 400
Arg His Thr Pro Val Asn Ser Trp Leu Gly Asn Ile Ile Met Tyr Ala
                 405                 410                 415
Pro Thr Leu Trp Ala Arg Met Ile Leu Met Thr His Phe Phe Ser Ile
             420                 425                 430
Leu Leu Ala Gln Glu Gln Leu Glu Lys Ala Leu Asp Cys Gln Ile Tyr
         435                 440                 445
Gly Ala Cys Tyr Ser Ile Glu Pro Leu Asp Leu Pro Gln Ile Ile Glu
     450                 455                 460
Arg Leu His Gly Leu Ser Ala Phe Ser Leu His Ser Tyr Ser Pro Gly
 465                 470                 475                 480
Glu Ile Asn Arg Val Ala Ser Cys Leu Arg Lys Leu Gly Val Pro Pro
                 485                 490                 495
Leu Arg Val Trp Arg His Arg Ala Arg Ser Val Arg Ala Lys Leu Leu
             500                 505                 510
Ser Gln Gly Gly Arg Ala Ala Thr Cys Gly Lys Tyr Leu Phe Asn Trp
         515                 520                 525
Ala Val Lys Thr Lys Leu Lys Leu Thr Pro Ile Pro Ala Ala Ser Gln
     530                 535                 540
Leu Asp Leu Ser Gly Trp Phe Val Ala Gly Tyr Asn Gly Gly Asp Ile
 545                 550                 555                 560
```

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```
104 Tyr His Ser Leu Ser Arg Ala Arg Pro Arg Trp Phe Met Leu Cys Leu
105                 565                 570                 575
106 Leu Leu Leu Ser Val Gly Val Gly Ile Tyr Leu Leu Pro Asn Arg
107             580                 585                 590
```

VERIFICATION SUMMARY
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